

| | | |
|---|------------------------|------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) | Application Number | 10657797 |
| | Filing Date | 2003-09-08 |
| | First Named Inventor | William C. Moyer |
| | Art Unit | 2183 |
| | Examiner Name | Daniel H. Pan |
| | Attorney Docket Number | SC13071TH |

12/05/06

| U.S. PATENTS | | | | | | |
|-------------------|---------|---------------|------------------------|------------|---|--|
| Examiner Initial* | Cite No | Patent Number | Kind Code ¹ | Issue Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
| G | 1 | 6986023 | B2 | 2006-01-10 | Paver et al. | |
| G | 2 | 6950922 | B2 | 2005-09-27 | Chung et al. | |
| n | 3 | 6292886 | B1 | 2001-09-18 | Makineni et al. | |
| h | 4 | 6170001 | B1 | 2001-01-02 | Hinds et al. | |
| h | 5 | 6081880 | | 2000-06-27 | Sollars | |
| w | 6 | 5903769 | | 1999-05-11 | Arya | |
| v | 7 | 5870596 | | 1999-02-09 | Yoshida | |
| h | 8 | 5838984 | | 1998-11-17 | Nguyen et al. | |

| | | | |
|---|------------------------|------------------|------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) | Application Number | | 10657797 |
| | Filing Date | | 2003-09-08 |
| | First Named Inventor | William C. Moyer | |
| | Art Unit | 2183 | |
| | Examiner Name | Daniel H. Pan | |
| | Attorney Docket Number | SC13071TH | |

12/5/06

| | | | | | | |
|----------|----|----------|--|------------|------------------|--|
| <i>W</i> | 9 | 5799163 | | 1998-08-25 | Park et al. | |
| <i>h</i> | 10 | 56669013 | | 1997-09-16 | Watanabe et al. | |
| <i>u</i> | 11 | 5664145 | | 1997-09-02 | Apperley et al. | |
| <i>h</i> | 12 | 5530804 | | 1996-06-25 | Edgington et al. | |
| <i>h</i> | 13 | 5475852 | | 1995-12-12 | Yoshida et al. | |
| <i>h</i> | 14 | 5361354 | | 1994-11-01 | Greyzck | |
| <i>h</i> | 15 | 5201056 | | 1993-04-06 | Daniel et al. | |
| <i>h</i> | 16 | 4903195 | | 1990-02-20 | Honma | |
| <i>h</i> | 17 | 4677547 | | 1987-06-30 | Omoda et al. | |

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS

| Examiner Initial* | Cite No | Publication Number | Kind Code ¹ | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
|-------------------|---------|--------------------|------------------------|------------------|---|--|
|-------------------|---------|--------------------|------------------------|------------------|---|--|

Dr. 12/5/06

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

| | |
|------------------------|------------------|
| Application Number | 10657797 |
| Filing Date | 2003-09-08 |
| First Named Inventor | William C. Moyer |
| Art Unit | 2183 |
| Examiner Name | Daniel H. Pan |
| Attorney Docket Number | SC13071TH |

12/05/06

| | | | | | | |
|---|---|-------------|----|------------|--------------|--|
| u | 1 | 20050055535 | A1 | 2005-03-10 | Moyer et al. | |
| 4 | 2 | 20030167460 | A1 | 2003-09-04 | Desai et al. | |

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

| Examiner Initial* | Cite No | Foreign Document Number ³ | Country Code ² | Kind Code ⁴ | Publication Date | Name of Patentee or Applicant of cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear | T ⁵ |
|-------------------|---------|--------------------------------------|---------------------------|------------------------|------------------|---|--|--------------------------|
| | 1 | | | | | | | <input type="checkbox"/> |

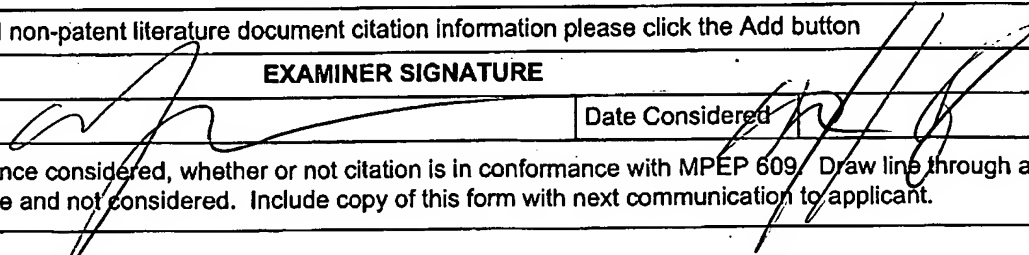
If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published. | T ⁵ |
|--------------------|---------|---|--------------------------|
| | 1 | | <input type="checkbox"/> |

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature |  | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

02/09/06

X

Complete if Known

| | |
|------------------------|-------------------------|
| Application Number | 10/657,797 |
| Filing Date | September 8, 2003 |
| First Named Inventor | William C. Moyer et al. |
| Group Art Unit | 2183 |
| Examiner Name | Unknown |
| Attorney Docket Number | SC13071TH |

| | | | | | |
|-------|---|----|---|------------------------|-----------|
| Sheet | 1 | of | 1 | Attorney Docket Number | SC13071TH |
|-------|---|----|---|------------------------|-----------|

[illegible]

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See *Kinds of U.S. Patent Documents*. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbol(s) as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English Language Translation is attached.

06/14/05

| | | | |
|---|------|------------------------|-------------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | |
| | | Application Number | 10/657,797 |
| | | Filing Date | September 8, 2003 |
| | | First Named Inventor | William C. Moyer et al. |
| | | Group Art Unit | 2189 |
| | | Examiner Name | Unknown |
| Sheet 1 | of 1 | Attorney Docket Number | SC13071TH |

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------------------|---|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number Number & Kind Code* (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| 4 | DA | US - 6,598,221 B1 | 07-22-2003 | Pegatoquet et al. | |
| 2 | DB | US - 5,450,607 | 09-12-1995 | Kowalczyk et al. | |
| | | US - | | | |
| | | US - | | | |
| | | US - | | | |
| | | US - | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code* Number * Kind Code* (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ² |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| 2 | DC | KAVI, Krishna M. et al.; "A Formal Definition of Data Flow Graph Models"; IEEE; 1986 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. * Applicant to place a check mark here if English Language Translation is attached.
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Best Available Copy



Please type a plus sign (+) inside this box.

| | | | |
|--|---|--------------------------|-------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | |
| | | Application Number | 10/657,797 |
| | | Filing Date | September 8, 2003 |
| | | First Named Inventor | William C. Moyer et al. |
| | | Group Art Unit | 2183 |
| | | Examiner Name | Unassigned |
| Sheet | 1 | of | 1 |
| | | Attorney Docket Number | SC13071TH |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|---------------|---|----------------|
| Examiner Initials* | Cite No. 1 | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| u | BA | TALLA, DEEPENDRA; "Architectural Techniques to Accelerate Multimedia Applications on General-Purpose Processors"; University of Texas Doctoral Dissertation: August, 2001; pp 94-125 (Chapters 6 and 7); University of Texas, Austin, Texas. | |
| u | BB | TALLA, DEEPENDRA; "Bottle-necks in Multimedia Processing with SIMD Style Extensions and Architectural Enhancements"; IEEE Transactions of Computers; August, 2003; pp 1015-1031; Vol. 62, No 8; IEEE | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Unique citation designation number. * Applicant is to place a check mark here if English Language Translation is attached.



Please type a plus sign (+) inside this box.

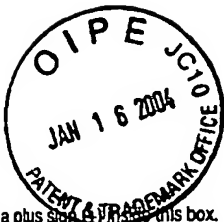
| | | | |
|--|---|--------------------------|-------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| | | Application Number | 10/657,510 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Filing Date | September 8, 2003 |
| | | First Named Inventor | William C. Moyer |
| | | Group Art Unit | 2186 |
| | | Examiner Name | Unassigned |
| (use as many sheets as necessary) | | Attorney Docket Number | SC13053TH |
| Sheet | 1 | of | 1 |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|----------|---|----------------|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| W | BA | TALLA, DEEPENDRA; "Architectural Techniques to Accelerate Multimedia Applications on General-Purpose Processors"; University of Texas Doctoral DisSertation: August, 2001; pp 94-125 (Chapters 6 and 7); University of Texas, Austin, Texas. | |
| | BB | TALLA, DEEPENDRA; "BottleNecks in Multimedia Processing with SIMD Style Extensions and Architectural Enhancements"; IEEE Transactions of Computers; August, 2003; pp 1015-1031; Vol. 62, No 8; IEEE | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Unique citation designation number. * Applicant is to place a check mark here if English Language Translation is attached.



Please type a plus sign (+) in this box.

| | | | |
|--|---|--------------------------|-------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | |
| | | Application Number | 10/657,797 |
| | | Filing Date | September 8, 2003 |
| | | First Named Inventor | William C. Moyer |
| | | Group Art Unit | Unassigned |
| | | Examiner Name | Unassigned |
| Sheet | 1 | of | 1 |
| | | Attorney Docket Number | SC13075TH |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | | |
|---|----------|---|----------------|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| zy | AA | TALLA, DEEPENDRA; "Architectural Techniques to Accelerate Multimedia Applications on General-Purpose Processors"; University of Texas Doctoral Dissertation: August, 2001; pp 94-125 (Chapters 6 and 7); University of Texas, Austin, Texas. | |
| zy | AB | TALLA, DEEPENDRA; "Bottlenecks in Multimedia Processing with SIMD Style Extensions and Architectural Enhancements"; IEEE Transactions of Computers; August, 2003; pp 1015-1031; Vol. 62, No 8; IEEE | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

* Unique citation designation number. * Applicant is to place a check mark here if English Language Translation is attached.

SC13071TH

PTO/SB/08A (04-03)

| | | | | | |
|---|---|----|---|--------------------------|-------------------------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete If Known | |
| | | | | Application Number | |
| | | | | Filing Date | |
| | | | | First Named Inventor | William C. Moyer et al. |
| | | | | Group Art Unit | |
| | | | | Examiner Name | |
| Sheet | 1 | of | 2 | Attorney Docket Number | SC13071TH |

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

| | | | |
|-----------------------|---|--------------------|--|
| Examiner Signature |  | Date Considered |  |
|-----------------------|---|--------------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

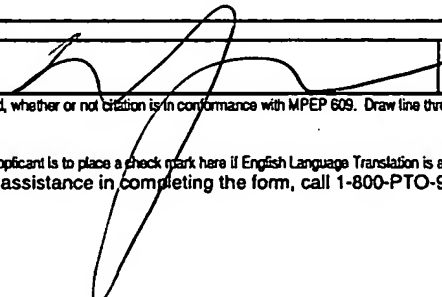
If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

09/08/08

SC13071TH

| | | | |
|---|------------------------|--------------------------|-------------------------|
| Substitute for form 1449A/PTO | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Application Number | |
| | | Filing Date | |
| | | First Named Inventor | William C. Moyer et al. |
| | | Group Art Unit | |
| | | Examiner Name | |
| Sheet 2 of 2 | Attorney Docket Number | SC13071TH | |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| W | AJ | WULF, WM. A., "Evaluation of the WM Architecture", ACM ; 7/92; pp 382-390. | |
| h | AK | Related application number 09/591,938 filed June 12, 2000 | |
| 2 | AL | Related application filed concurrently herewith, attorney docket number SC13053TH | |
| h | AM | Related application filed concurrently herewith, attorney docket number SC13074TH | |
| h | AN | Related application filed concurrently herewith, attorney docket number SC13075TH | |
| h | AO | Related application filed concurrently herewith, attorney docket number CML00104D | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|---|-----------------|--|
| Examiner Signature |  | Date Considered |  |
|--------------------|---|-----------------|--|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation, if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English Language Translation is attached.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.